

Title (en)

A method of automatically connecting teat cups to the teats of an animal to be milked

Title (de)

Verfahren zum automatischen Anbringen von Melkbechern an den Zitzen eines zum melkenden Tieres

Title (fr)

Méthode de connexion automatique de gobelets trayeurs aux pis d'un animal à traire

Publication

EP 0824857 B2 20120613 (EN)

Application

EP 97202454 A 19970808

Priority

- EP 96202302 A 19960816
- EP 97202454 A 19970808

Abstract (en)

[origin: EP1559313A1] A method of automatically connecting a teat cup to a teat of an animal to be milked. In the method the teat cup is seized by means of connecting means and is subsequently connected to the teat and, after at least part of the teat has been introduced into the teat cup, the connecting means are moved in a vertical and in a horizontal direction, consecutively or simultaneously, in a direction opposite to the direction in which the connecting means are moved when they are connected to the teat cup, and the connecting means are disconnected automatically from the teat cup when the latter has been connected or has almost been connected to the teat. <IMAGE>

IPC 8 full level

A01J 5/017 (2006.01)

CPC (source: EP)

A01J 5/0175 (2013.01)

Citation (opposition)

Opponent :

- EP 0661517 A1 19950705 - SAGEM [FR]
- US 4223635 A 19800923 - AKERMAN DAVID E
- GB 2226941 A 19900718 - NAT RES DEV [GB]

Cited by

EP1520468A1; NL1011758C2; US9648840B2; US9648839B2; WO9963806A1; WO0013491A1; WO0060925A1; WO0041559A1; US9615537B2; US9681634B2; US9737048B2; US9883654B2; US9737040B2; US10357015B2; US6595157B1; US10373306B2; US10602712B2; US7882802B2; US9980459B2; US10143179B2; US11096370B2; US9980460B2; US10172320B2; US10327415B2; US10349618B2; US9706745B2; US9980458B2; US10111401B2; US10327414B2; US9737041B2; US9737042B2; US9743635B2; US10127446B2; US10303939B2; EP1103185A1; US9681635B2; US9686960B2; US9686959B2; US9737039B2; US9756830B2; US9763422B2; US9901067B2; US9930861B2; US10362759B2; US10477826B2; US9648843B2; US9686962B2; US9686961B2; US9706747B2; US9737043B2; US9763424B1; US9775325B2; US9888664B2; US9894876B2; US10477828B2; US10595500B2; US10595501B2; US7568447B2

Designated contracting state (EPC)

DE DK FR GB IT NL SE

DOCDB simple family (publication)

EP 1559313 A1 20050803; EP 1559313 B1 20090304; DE 69734549 D1 20051215; DE 69734549 T2 20060720; DE 69734549 T3 20121108; DE 69739291 D1 20090416; DK 0824857 T3 20060327; DK 1559313 T3 20090608; EP 0824857 A1 19980225; EP 0824857 B1 20051109; EP 0824857 B2 20120613

DOCDB simple family (application)

EP 05076028 A 19970808; DE 69734549 T 19970808; DE 69739291 T 19970808; DK 05076028 T 19970808; DK 97202454 T 19970808; EP 97202454 A 19970808